

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	0	".8 near5 1.8"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:18
L13	0	".8 to 1.8 times"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:18
L14	0	".8 to 1.8"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:18
L17	5994	".8" near3 "1.8"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:19
L16	9241	".8" near5 "1.8"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:18
S86	5	"0242686"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 13:00
S11	2	"067461"	US-PGPUB	WITH	ON	2008/04/25 16:05
S2	7	"1221572"	DERWENT	WITH	ON	2008/04/25 15:26
S10	0	"2004/067461"	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 16:05
S8	0	"2004067461"	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 16:05
S9	0	"2004067461"	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 16:05

S47	1	"3919073".PN.	USPAT; USOCR	WITH	ON	2008/04/29 17:51
S7	1	"7267809"	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 16:04
S39	917	"ODS" and aluminum adj alloy	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:45
S5	27	("0903736"   "1404429"   "1460130"   "1763387"   "2772729"   "3685741"   "3915387"   "3980233"   "4139157"   "4443228"   "4773596"   "5014918"   "5020329").PN. OR ("5496170").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 15:35
S81	27	("0903736"   "1404429"   "1460130"   "1763387"   "2772729"   "3685741"   "3915387"   "3980233"   "4139157"   "4443228"   "4773596"   "5014918"   "5020329").PN. OR ("5496170").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/11/18 11:17
S41	15	("0945899"   "1407871"   "2063396"   "2516282"   "2613737"   "3188009"   "3498545").PN. OR ("3697000").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/29 12:52
S68	24	("1069243"   "2111908"   "2473347"   "3227202"   "3349826"   "4003693").PN. OR ("4298337").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/30 14:40
S64	0	("14andinsulation").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/30 14:18
S48	28	("1703949"   "2543710"   "2671050"   "2904497"   "3260594").PN. OR ("3919073").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/29 17:52
S6	42	("1881359"   "2612405"   "2701164"   "3039701"   "3612737").PN. OR ("3915387").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 15:46
S46	1	("2002/0079023").URPN.	USPAT	WITH	ON	2008/04/29 17:50
S32	1	("20020079023").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/29 12:37
S1	8	("20020079023"   "20020086257"   "20030029528"   "20040067461"   "5496170"   "5989491"   "6193173"   "6322351").PN.	US-PGPUB; USPAT	WITH	ON	2008/04/25 15:15

S97	1	("20030031972").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 14:09
S12	9	("20060231645"   "4970059"   "4988287"   "5492649"   "5496170"   "5752663"   "6029910"   "6123542"   "6391274").PN. OR ("7267809").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 16:07
S83	26	("2107998"   "2191968"   "2574865"   "2893647"   "3310240"   "3598321"   "3684186"   "3980233"   "4754922").PN. OR ("5014918").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/11/18 11:40
S25	1	("4988287").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/29 11:08
S85	1	("4988287").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 12:17
S70	1	("4995922").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/30 17:15
S4	4	("5251447"   "5351477"   "5496170"   "5758587").PN. OR ("6511312").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 15:34
S82	4	("5251447"   "5351477"   "5496170"   "5758587").PN. OR ("6511312").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/11/18 11:36
S18	1	("5392720").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/29 08:42
S27	1	("5496170").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/29 11:12
S3	1	("6511312").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/25 15:34
S24	1	("7267809").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/29 11:01
S23	1	((("1221572") or ("0242686")).PN.	EPO	OR	OFF	2008/04/29 10:59
S29	6	((("4,348,170") or ("4,356,975") or ("4,520,739") or ("5,257,927") or ("4,479,442") or ("4,457,241")).PN.	US-PGPUB; USPAT	OR	OFF	2008/04/29 12:22
S84	7	((("4,977,740") or ("4,798,330") or ("4,600,151") or ("3,866,413") or ("3,684,186") or ("3,483,700")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 11:50
S26	2	((("6431467") or ("6029910")).PN.	US-PGPUB; USPAT	OR	OFF	2008/04/29 11:10

L23	6	((HANNO) near2 (TAUTZ)). INV.	US-PGPUB; USPAT	WITH	ON	2008/11/18 18:12
S60	89	(431/144).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/04/30 14:15
S55	203	(431/182).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/04/30 14:07
S57	333	(431/183).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/04/30 14:07
S54	117	(431/184).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/04/30 14:06
S58	260	(431/185).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/04/30 14:07
S45	517	(431/187).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/04/29 13:23
S59	517	(431/187).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/04/30 14:08
S80	682	(431/187).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 10:48
S78	238	(60/330).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/17 19:40
S77	0	(60/35.6).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/17 19:37
S75	322	(60/39.34).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/17 19:33
S76	465	(60/39.37).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/17 19:37
S79	760	(60/804).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 10:16
S91	5	(burner adj head) steel aluminum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 13:54
L21	16519	(cross adj sectional) area ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:26
S92	1041	(nozzle) steel aluminum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 13:57

S93	31	(nozzle) steel aluminum chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 13:58
S87	92	(US-20060231645-\$ or US-20070281265-\$ or US-20070003889-\$ or US-20040234912-\$ or US-20020079023-\$ or US-20020172906-\$).did. or (US-6511312-\$ or US-5758587-\$ or US-5496170-\$ or US-5351477-\$ or US-5251447-\$ or US-7267809-\$ or US-6351939-\$ or US-3915387-\$ or US-7260935-\$ or US-6993916-\$ or US-6968693-\$ or US-6502399-\$ or US-6474569-\$ or US-6272865-\$ or US-6240732-\$ or US-6123542-\$ or US-6058855-\$ or US-5020329-\$ or US-5014918-\$ or US-4139157-\$ or US-3980233-\$ or US-3685741-\$ or US-6951454-\$ or US-5993199-\$ or US-5971765-\$ or US-5680823-\$).did. or (US-5664944-\$ or US-5662464-\$ or US-5603906-\$ or US-5573396-\$ or US-5257927-\$ or US-5165903-\$ or US-4644878-\$ or US-4623521-\$ or US-4604052-\$ or US-4600377-\$ or US-4479442-\$ or US-4457241-\$ or US-3859935-\$ or US-3827851-\$ or US-5392720-\$ or US-4988287-\$ or US-6431467-\$ or US-6029910-\$ or US-3697000-\$ or US-5168796-\$ or US-6349714-\$ or US-5422070-\$ or US-4675204-\$ or US-5918463-\$ or US-4917599-\$ or US-4298337-\$ or US-4820124-\$).did. or (US-RE33896-\$ or US-4701124-\$ or US-4451230-\$ or US-3817685-\$ or US-4566268-\$ or US-6322351-\$ or US-6068470-\$ or US-4773596-\$ or US-4443228-\$ or US-2772729-\$ or US-1763387-\$ or US-5505045-\$ or US-5288021-\$ or US-4977740-	US-PGPUB; USPAT; USOCR; EPO; DERWENT	WITH	ON	2008/11/18 13:03

		\$ or US-4798330-\$ or US-4600151-\$ or US-3866413-\$ or US-3684186-\$ or US-3483700-\$ or US-5174504-\$ or US-4754922-\$).did. or (US-3283802-\$ or US-2818109-\$ or US-2759460-\$ or US-3349826-\$ or US-2810433-\$ or US-1763387-\$ or US-3483700-\$).did. or (EP-1221572-\$).did. or (US-20020086257-A-\$ or SU-775523-\$ or GB-1383987-\$ or EP-645583-\$ or DE-10109266-\$).did.				
S52	61	(US-20060231645-\$ or US-20070281265-\$ or US-20070003889-\$ or US-20040234912-\$ or US-20020079023-\$ or US-20020172906-\$).did. or (US-6511312-\$ or US-5758587-\$ or US-5496170-\$ or US-5351477-\$ or US-5251447-\$ or US-7267809-\$ or US-6351939-\$ or US-3915387-\$ or US-7260935-\$ or US-6993916-\$ or US-6968693-\$ or US-6502399-\$ or US-6474569-\$ or US-6272865-\$ or US-6240732-\$ or US-6123542-\$ or US-6058855-\$ or US-5020329-\$ or US-5014918-\$ or US-4139157-\$ or US-3980233-\$ or US-3685741-\$ or US-6951454-\$ or US-5993199-\$ or US-5971765-\$ or US-5680823-\$).did. or (US-5664944-\$ or US-5662464-\$ or US-5603906-\$ or US-5573396-\$ or US-5257927-\$ or US-5165903-\$ or US-4644878-\$ or US-4623521-\$ or US-4604052-\$ or US-4600377-\$ or US-4479442-\$ or US-4457241-\$ or US-3859935-\$ or US-3827851-\$ or US-5392720-\$ or US-4988287-\$ or US-6431467-\$ or US-6029910-\$ or US-3697000-\$ or US-5168796-\$ or US-6349714-\$ or US-5422070-\$ or US-4675204-\$ or US-5918463-\$ or US-4917599-\$).did. or (US-3283802-\$ or US-2818109-\$ or US-	US-PGPUB; USPAT; USOCR; EPO; DERWENT	WITH	ON	2008/04/30 13:36

		2759460-\$).did. or (EP-1221572-\$).did. or (US-20020086257-A-\$).did.				
S19	48	(US-20060231645-\$ or US-20070281265-\$ or US-20070003889-\$ or US-20040234912-\$).did. or (US-6511312-\$ or US-5758587-\$ or US-5496170-\$ or US-5351477-\$ or US-5251447-\$ or US-7267809-\$ or US-6351939-\$ or US-3915387-\$ or US-7260935-\$ or US-6993916-\$ or US-6968693-\$ or US-6502399-\$ or US-6474569-\$ or US-6272865-\$ or US-6240732-\$ or US-6123542-\$ or US-6058855-\$ or US-5020329-\$ or US-5014918-\$ or US-4139157-\$ or US-3980233-\$ or US-3685741-\$ or US-6951454-\$ or US-5993199-\$ or US-5971765-\$ or US-5680823-\$).did. or (US-5664944-\$ or US-5662464-\$ or US-5603906-\$ or US-5573396-\$ or US-5257927-\$ or US-5165903-\$ or US-4644878-\$ or US-4623521-\$ or US-4604052-\$ or US-4600377-\$ or US-4479442-\$ or US-4457241-\$ or US-3859935-\$ or US-3827851-\$ or US-5392720-\$).did. or (US-3283802-\$ or US-2818109-\$ or US-2759460-\$).did. or (US-20020086257-A-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	WITH	ON	2008/04/29 10:43
L12	6	11 and (burner adj head)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:13
L18	0	17 and (burner adj head)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:19

L19	73	17 and (burner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:19
L22	22	21 and (burner adj head)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:26
L10	5	9 and (burner adj head)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:12
S94	5633	burner adj head	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 14:03
S15	25	burner and swirl and adjustable adj vane	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 16:21
S30	7	burner and vane stabilizes gas flow	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:32
S50	11	burner exit insulation	US-PGPUB; USPAT	WITH	ON	2008/04/30 13:25
S40	20	burner head aluminum	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:46
S74	198	burner head coaxial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/17 19:23
S51	26	burner head insulation	US-PGPUB; USPAT	WITH	ON	2008/04/30 13:28
S90	30	burner head steel alloy aluminum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/11/18 13:15
S42	1670	burner insulation	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/29 13:06
S44	80	burner outlet insulation	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/29 13:14



L8	26	coaxial cross section area ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:10
L9	7366	cross section area ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:12
L20	16625	cross sectional area ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:25
S96	2	DE-10136313-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 14:07
S73	90	gas burner head coaxial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/17 19:14
S33	23280	ODS and aluminum	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:41
S37	917	ODS and aluminum adj alloy	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:43
S49	22	oxide dispersion hardened superalloy	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/29 17:54
S71	21	oxide dispersion hardened superalloy	US-PGPUB; USPAT	WITH	ON	2008/04/30 17:18
S67	5	refractory lined ignition (port or tuyere)	US-PGPUB; USPAT	WITH	ON	2008/04/30 14:36
S66	2379	refractory lined ignition port or tuyere	US-PGPUB; USPAT	WITH	ON	2008/04/30 14:35
S16	2	S15 and aluminum	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 16:29
S17	9	S15 and coaxially	US-PGPUB; USPAT; USOCR	WITH	ON	2008/04/25 16:37
S21	2	S19 and aluminum and vane and swirl	US-PGPUB; USPAT	WITH	ON	2008/04/29 10:44
S34	497	S33 and burner	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:41

S36	1	S34 and burner swirl	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:43
S35	22	S34 and swirl	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:41
S38	106	S37 and burner	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:44
S13	3	S4 and swirl	US-PGPUB; USPAT; USCOR	WITH	ON	2008/04/25 16:11
S43	4	S42 and diffusor	US-PGPUB; USPAT; USCOR	WITH	ON	2008/04/29 13:06
S14	9	S5 and swirl	US-PGPUB; USPAT; USCOR	WITH	ON	2008/04/25 16:12
S53	7	S52 and insulation	US-PGPUB; USPAT	WITH	ON	2008/04/30 13:36
S65	3	S54 and insulation	US-PGPUB; USPAT	WITH	ON	2008/04/30 14:18
S63	0	S60 and insulation	US-PGPUB; USPAT	WITH	ON	2008/04/30 14:17
S69	5	S68 and refractory	US-PGPUB; USPAT; USCOR	WITH	ON	2008/04/30 14:41
S72	1	S71 and burner	US-PGPUB; USPAT	WITH	ON	2008/04/30 17:18
S89	7	S87 and (cross section area)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 13:03
S88	0	S87 and (cross section ratio)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 13:03
S95	61	S94 and (steel aluminum)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 14:03
S31	38	vane stabilizes gas flow	US-PGPUB; USPAT	WITH	ON	2008/04/29 12:34
L11	3311	velocity area ratio	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/11/18 16:13

11/18/2008 6:16:21 PM

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